



**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/**

**Weather Shield Manufacturing, Inc.
One Weather Shield Plaza, P. O. Box 309
Medford, WI 54451-0309**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Contempra TFT Direct Set" Aluminum Clad Wood Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. 1054, titled "Direct Set "Contempra" TFT Aluminum Clad Wood Window", sheets 1 through 4 of 4, dated 06/07/01, prepared by W. W. Schaefer Engineering & Consulting, P.A., with revision "B1" dated 11/02/11, signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 08-0130.03 and consists of this page 1, evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
1/18/12

**NOA No. 11-1108.11
Expiration Date: April 15, 2013
Approval Date: January 26, 2012
Page 1**

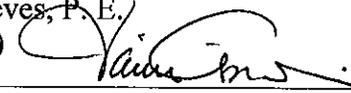
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA's No.'s 05-0420.05, 03-0123.01, 01-0831.03 and 98-1110.10)
2. Drawing No. 1054, titled "Direct Set "Contempra" TFT Aluminum Clad Wood Window", sheets 1 through 4 of 4, dated 06/07/01, prepared by W. W. Schaefer Engineering & Consulting, P.A., with revision "B1" dated 11/02/11, signed and sealed by Warren W. Schaefer, P. E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum clad wood fixed casement window, prepared by Stork Twin City Testing Corporation, Test Report No. TCTCWI-04014, dated 12/07/04, signed and sealed by Thomas Allan Kolden, P. E.
(Submitted under previous NOA No. 05-0420.05)
2. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum clad wood fixed casement window, prepared by Hurricane Test Laboratory, LLC, Test Report No. HTL 0037-0304-00, dated 02/28/00, signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 03-0123.01)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum clad wood fixed casement window, prepared by Hurricane Test Laboratory, LLC, Test Reports No.'s HTL 0037-0208-98 and HTL 0037-1105-00, dated 02/11/98 and 11/06/00, all signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 01-0831.03)
- 3) Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of direct set wood fixed window, prepared by Architectural Testing, Inc., Test Report No. ATI-16360, dated 09/11/95, signed and sealed by Allen N. Reeves, P. E.
(Submitted under previous NOA No. 98-1110.10)


Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11-1108.11
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C. CALCULATIONS

1. Anchor verification calculations and structural analysis, dated 06/21/05 complying with FBC, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 08-0130.03)
2. **Glazing complies with ASTM E1300-98/ 04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **08-0709.04** issued to **Glasslam N.G.I., Inc.** for their "**Safety-Plus II Laminated Glass**" dated 09/11/08, expiring on 08/07/13.
2. Notice of Acceptance No. **08-0206.01** issued to **Solutia, Inc.** for their "**Saflex HP Glass Interlayer**" dated 04/17/08, expiring on 04/14/13.
3. Notice of Acceptance No. **11-0325.05** issued to **Solutia, Inc.** for their "**Saflex-Clear or colored Interlayer**" dated 04/21/11, expiring on 04/21/16.
4. Notice of Acceptance No. **10-0201.01** issued to **Viracon, Inc.** for their "**Viracon HRG-2 Glass Interlayer**", dated 03/24/10, expiring on 02/12/14.

F. STATEMENTS

1. Statement letter of conformance and compliance with the FBC-2007 and FBC-2010, dated 11/02/11, signed and sealed by Warren W. Schaefer, P. E.
2. Statement letter of no financial interest and independence, dated 11/01/11, signed and sealed by Warren W. Schaefer, P. E.
3. Statement letter of conformance and compliance with the FBC-2004 and FBC-2007, dated 01/11/08, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 08-0130.03)
4. Statement letter of no financial interest, dated 02/07/08, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 08-0130.03)
5. Laboratory compliance letter for Test Report No. **TCTCWI-04014**, issued by Stork Twin City Testing Corporation, dated 12/07/04, signed and sealed by Thomas Allan Kolden, P. E.
(Submitted under previous NOA No. 05-0420.05)



Jaime D. Gascon, P. E.
Product Control Section Supervisor
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Weather Shield Manufacturing, Inc.

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F. STATEMENTS (CONTINUED)

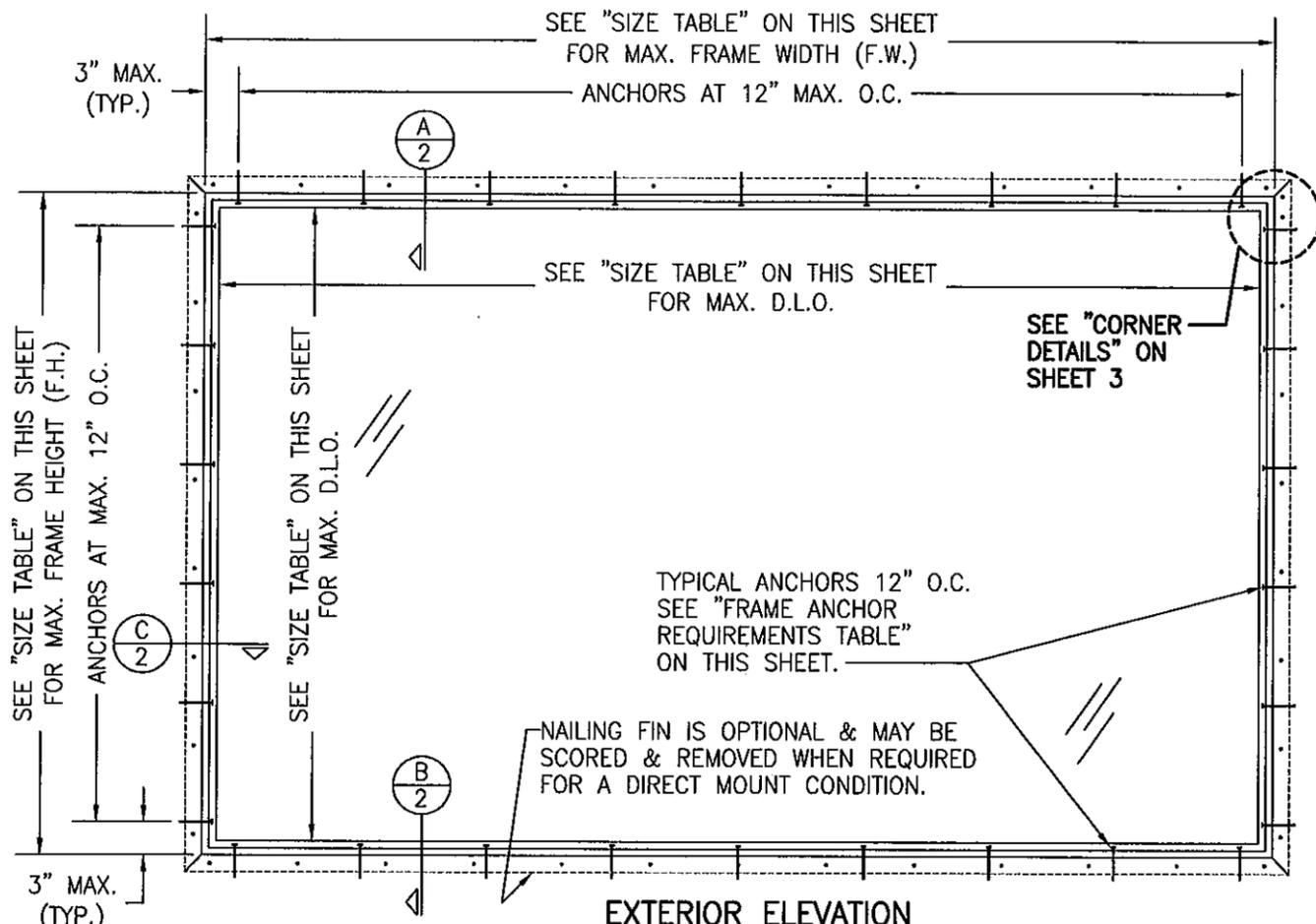
6. Laboratory compliance letters for Test Reports No.'s s No.'s **HTL 0037-0208-98**, **HTL 0037-1105-00** and **HTL 0037-0304-00**, issued by Hurricane Test Laboratory, LLC, dated 02/11/98, 11/06/00 and 02/28/00, all signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA's No.'s 01-0831.03 and 03-0123.01)
7. Laboratory compliance letter for Test Report No. **ATI-16360**, issued by Architectural Testing, Inc., dated 09/11/95, signed and sealed by Allen N. Reeves, P. E.
(Submitted under previous NOA No. 98-1110.10)

G. OTHERS

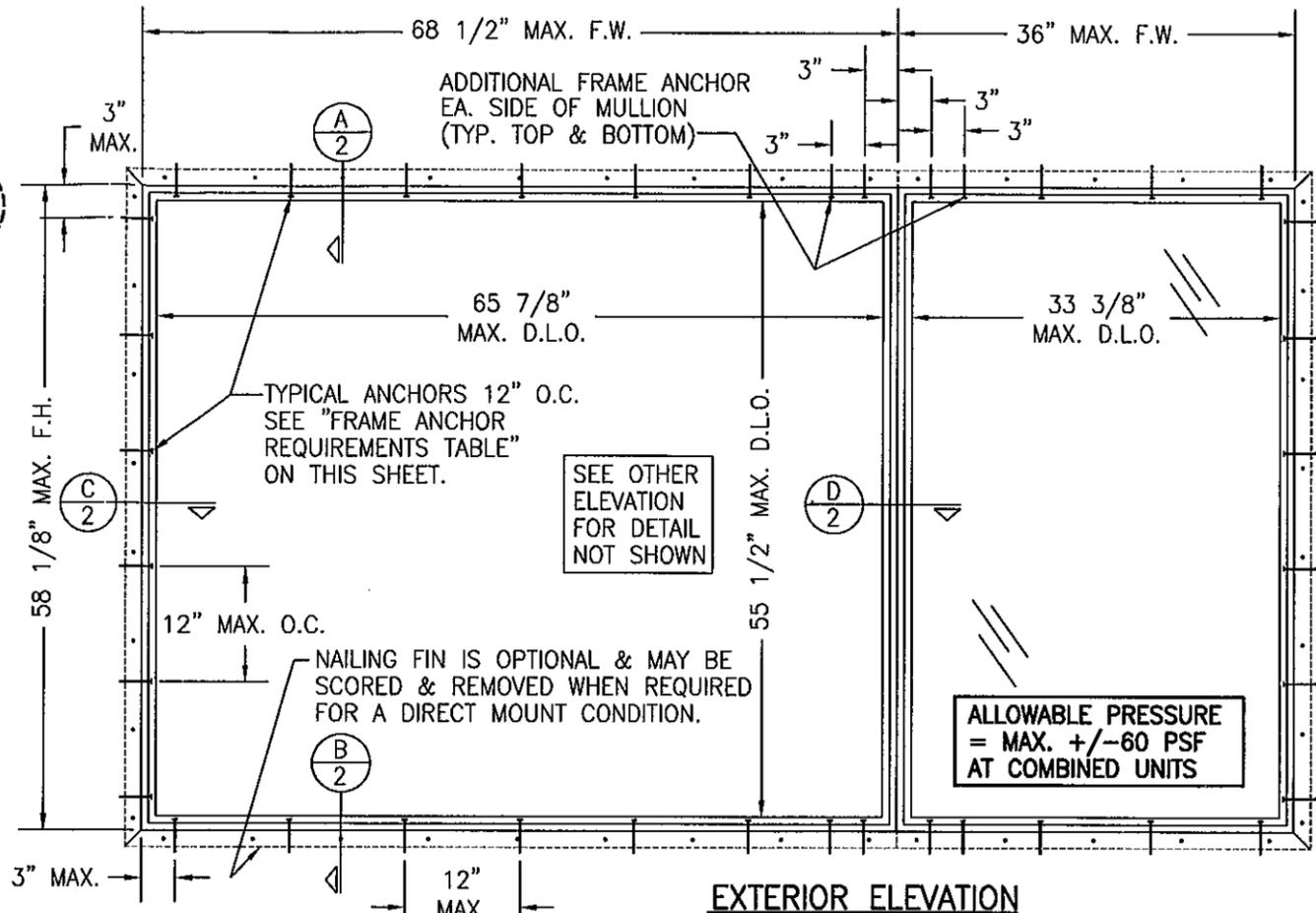
1. Notice of Acceptance No. **08-0130.03**, issued to Weather Shield Manufacturing, Inc. for their Series "Contempra TFT Direct Set Aluminum Clad Wood Fixed Window - L.M.I." approved on 05/15/08 and expiring on 04/15/13.



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**EXTERIOR ELEVATION
SINGLE DIRECT SET WINDOW**



**EXTERIOR ELEVATION
MULTIPLE DIRECT SET WINDOWS
(MAX. FOUR UNITS MAY BE COMBINED)**

APPROVED SHAPES

RECTANGULAR	OCTAGON	PARALLELOGRAM
FULL CIRCLE	CATHEDRAL/GOTHIC	INVERTED CIRCLE TOP
HALF CIRCLE	EXTENDED ELLIPTICAL	INVERTED ARCH TOP
QUARTER CIRCLE	MITERED CORNER	EXTENDED HALF ROUND
CIRCLE TOP	ARCH TOP	EXTENDED SEGMENTAL
HALF CIRCLE TOP	TRIANGULAR	QUARTERFOIL
OVAL	TRAPEZOID	PARTIAL ARCH
ELLIPTICAL	PENTAGON	EYEBROW
PARTIAL ELLIPTICAL		

NOTE: ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR UNITS & BE GOVERNED BY THE ALLOWABLE PRESSURE OF FOR THE RESPECTIVE RECTANGULAR UNIT

ALLOWABLE WINDOW SIZE TABLE

HEIGHT (IN.)	WIDTH (IN.)	D.L.O. (IN.)	
		HEIGHT	WIDTH
47	124	44 3/8	121 3/8
48	120	45 3/8	117 3/8
54	108	51 3/8	105 3/8
58	100	55 3/8	97 3/8
59 3/4	97 1/2	57 1/8	94 7/8
72	80	69 3/8	77 3/8

APPLICABLE FOR SINGLE WINDOWS ONLY.

MULTIPLE UNIT NOTES:

1. WHEN BOTH WINDOWS ARE TO BE WIDER THAN 36" (F.W.), BOTH WINDOWS SHALL BE RESTRICTED BY A MAXIMUM F.W. OF 48".
2. WHEN EITHER WINDOW IS TO BE 36" F.W. OR LESS, THE OTHER WINDOW MAY BE UP TO 68 1/2" F.W.
3. THE MAXIMUM ALLOWABLE PRESSURE FOR A COMBINED UNIT IS RESTRICTED BY THE LESSER OF THE INDIVIDUAL WINDOW ALLOWABLE PRESSURE OR +/-60 PSF UNLESS A CLIPPED MULLION IS USED PER WEATHER SHIELD'S MULLION APPROVAL.
4. FOR CLIPPED MULLION COMBINATIONS, SEE DRAWINGS NO. M96-05 & M96-06 UNDER SEPERATE APPROVAL.

FOR ALLOWABLE DESIGN WIND PRESSURE ON SINGLE WINDOWS, SEE LOAD TABLES ON SHEET 4.

**IMPACT RESISTANT WINDOWS
SHUTTERS NOT REQUIRED**

- GENERAL NOTES:**
1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S).
 2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
 3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
 4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
 5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
 6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
 7. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
 8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF Kd = 0.85 MAY BE APPLIED PER THE ASCE-7 STANDARD.
 9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR WOOD SCREW ANALYSIS ONLY.
 10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
 11. ALL WOOD MEMBERS OF WINDOWS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

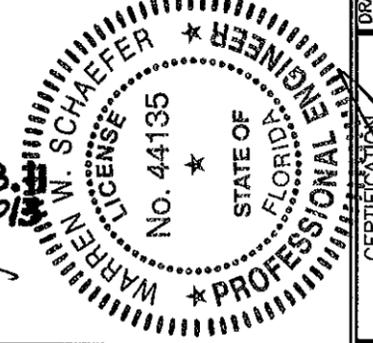
- NOTES:**
1. HEIGHT (F.H.) & WIDTH (F.W.) ARE INTERCHANGABLE.
 2. ALL HEIGHT & WIDTH DIMENSIONS ARE +/-1/2"

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS SCREW	1 3/8"	1"
MIN. C-90 CMU OR 2500 PSI CONCRETE	3/16" CONCR. SCREW	1 1/4"	2"

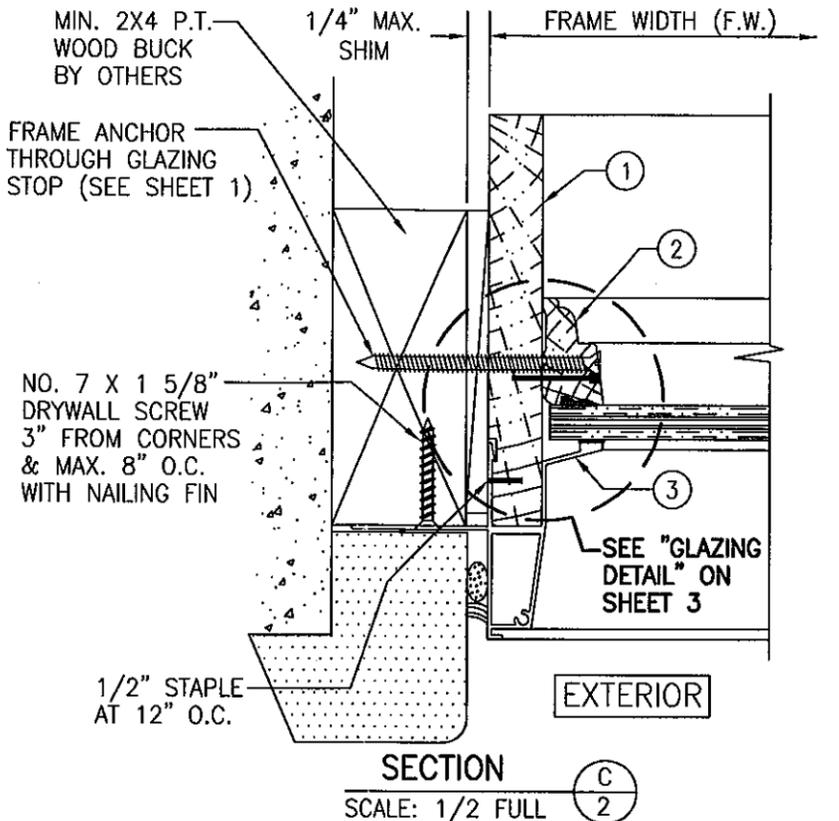
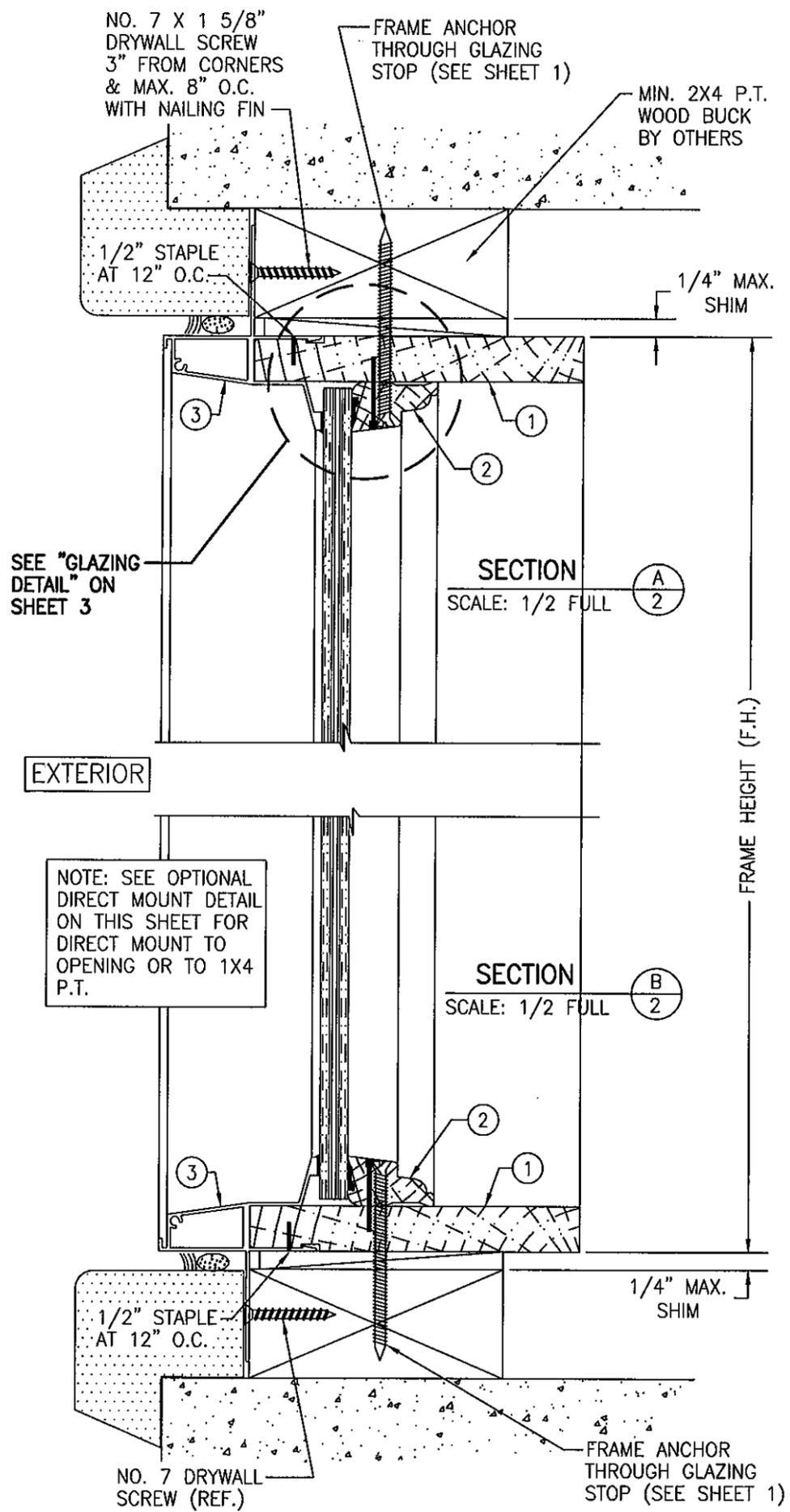
CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 11-1108-# 01/15/2013
By *[Signature]* Miami Dade Product Control

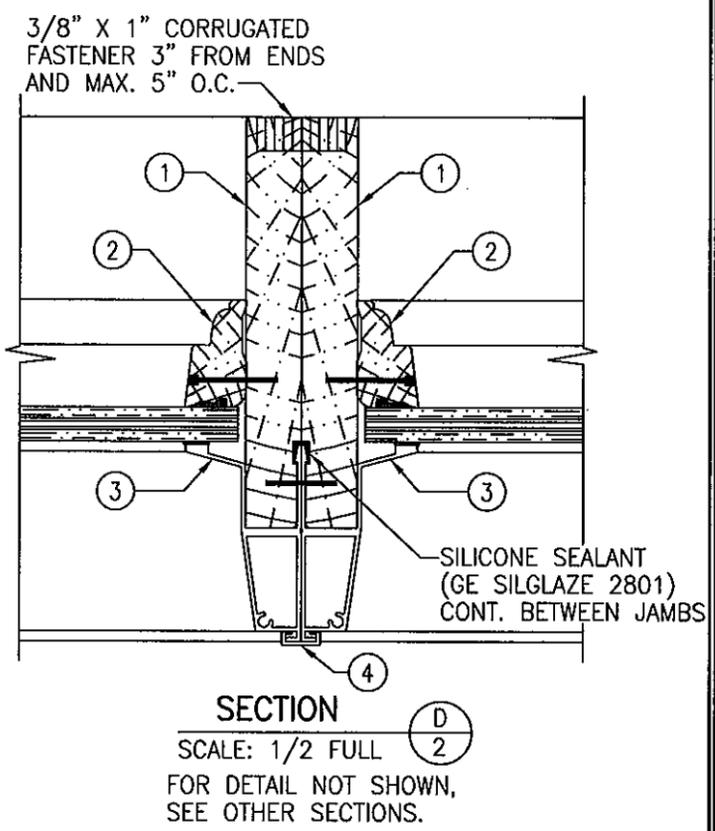
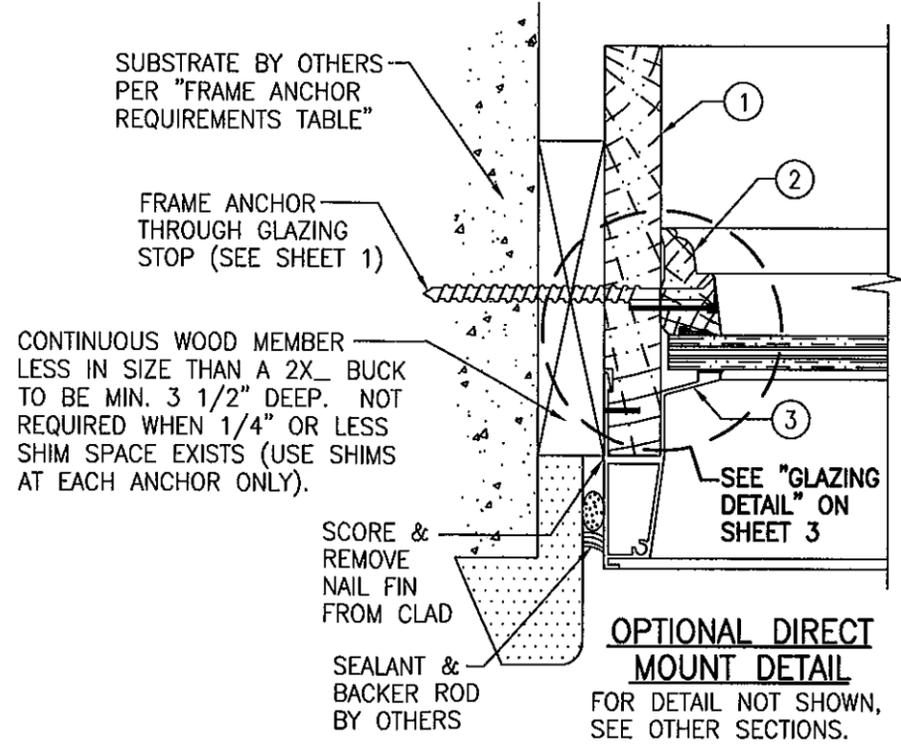


THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

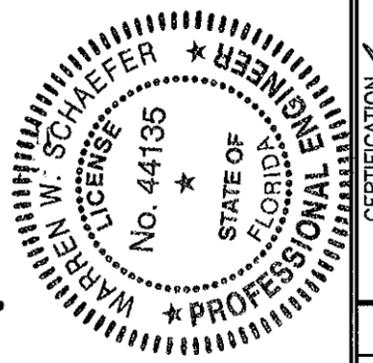
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 06/07/01
NO.	REVISION DESCRIPTION
A1	ADDED NEW GLASS & GLAZING
A2	UPDATE LOAD TABLES TO ASTM E1300-02
A3	UPDATE GENERAL NOTES
B1	UPDATE TO CURRENT STANDARDS W.R.M.
DATE	BY
11/02/11	W.R.M.
DRAWING TITLE DIRECT SET 'CONTEMPRA' TFT ALUMINUM CLAD WOOD WINDOW	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS	
ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)	7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
CERTIFICATION NOV 02 2011 WARREN M. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1054 REV. B SHEET NO. 1 OF 4



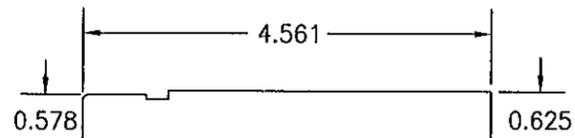
NOTE: SEE OPTIONAL DIRECT MOUNT DETAIL ON THIS SHEET FOR DIRECT MOUNT TO OPENING OR TO 1X4



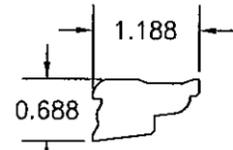
PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 11-1108.11
 Expiration Date 04/15/2013
 By *[Signature]*
 Miami Dade Product Control



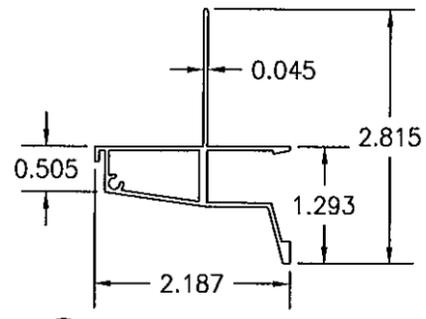
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 06/07/01	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: DIRECT SET 'CONTEMPRA' TFT ALUMINUM CLAD WOOD WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555			
CERTIFICATION	NOV 02 2011	WARREN W. SCHAEFER, P.E.	P.E. NO. 44135
DRAWING NO.	REV.	SHEET NO.	
1054	B	2 OF 4	



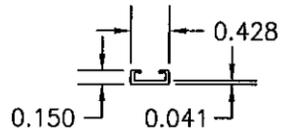
① HEAD, SILL & SIDE JAMB



② GLAZING BEAD



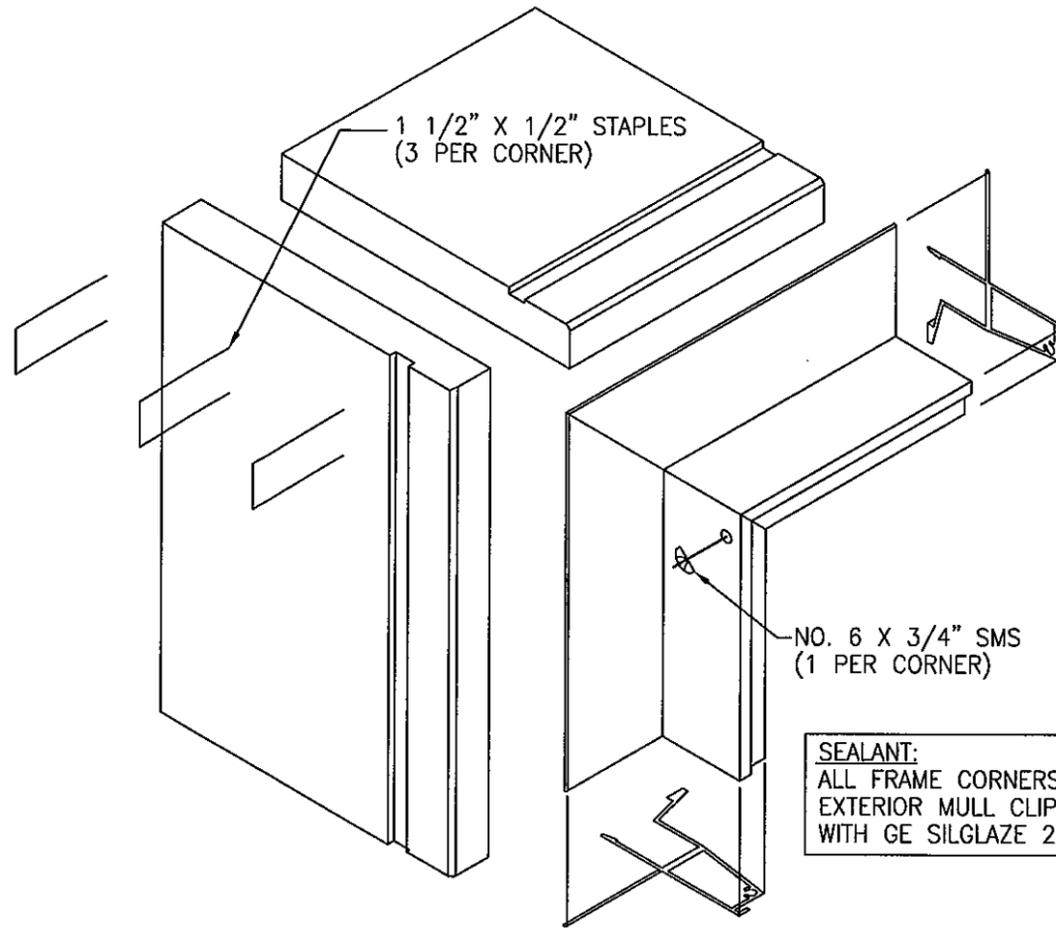
③ JAMB CLAD (TFT)



④ MULLION CLIP

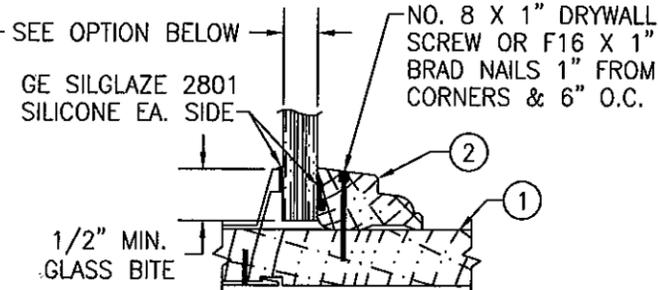
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	902922	4	HEAD, SILL & SIDE JAMB	* WOOD	WEATHER SHIELD
2	902902	4	GLAZING BEAD	* WOOD	WEATHER SHIELD
3	902920	4	JAMB CLAD (TFT)	6063-T5 ALUMINUM	WEATHER SHIELD
4	780959	1	TFT MULLION CAP	6063-T5 ALUMINUM	CAPITAL PRODUCTS

* WOOD USED IN TESTING WAS WESTERN PINE. OTHER WOOD SPECIES APPLICABLE USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED WEATHER SHIELD TO SELECT.



FRAME CORNER DETAIL

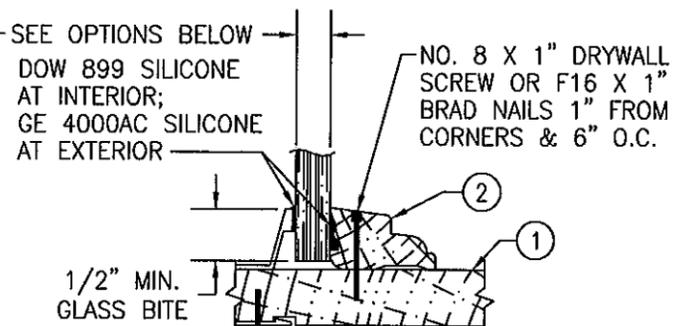
SEALANT:
ALL FRAME CORNERS, JOINTS &
EXTERIOR MULLION CLIP SEALED
WITH GE SILGLAZE 2801



GLAZING DETAIL 1

GLAZING OPTIONS (TYP. FOR DETAIL 1):

GLAZING OPTION 1) 1/2" THK. GLASSLAM SAFETY PLUS II LAMINATED GLASS (3/16" AN/0.06 RESIN/0.01 PET/0.06 RESIN/3/16" AN)



GLAZING DETAIL 2

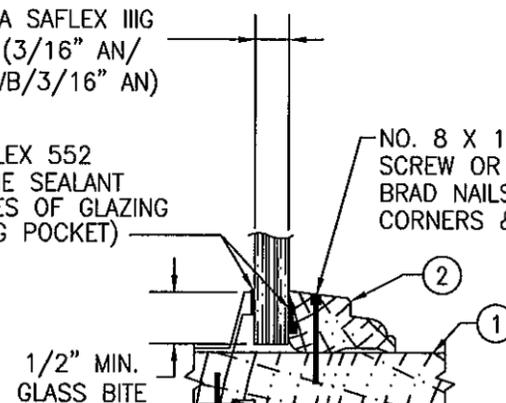
GLAZING OPTIONS (TYP. FOR DETAIL 2):

GLAZING OPTION 2) 5/8" THK. VIRACON HRG2 LAMINATED GLASS (1/4" H.S./0.05 URETHANE/0.08 POLYCARBONATE SHEET/0.05 URETHANE/1/4" H.S.)

GLAZING OPTION 3) 9/16" THK. SOLUTIA SAFLEX III G LAMINATED GLASS (1/4" H.S./0.09 SOLUTIA SAFLEX III G PVB/1/4" H.S.)

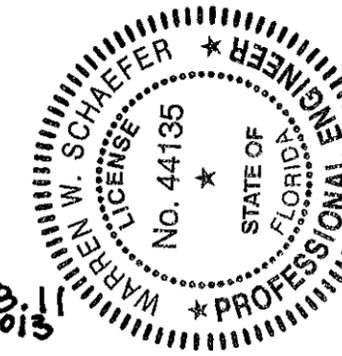
GLAZING OPTION 4:
7/16" THK. SOLUTIA SAFLEX III G LAMINATED GLASS (3/16" AN/0.09 SAFLEX III G PVB/3/16" AN)

SIKA FLEX 552 SILICONE SEALANT (3 SIDES OF GLAZING GLAZING POCKET)



GLAZING DETAIL 3

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 11-1108.11
Expiration Date 04/15/2013
By *[Signature]*
Miami Dade Product Control



DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 06/07/01
DATE	REVISION DESCRIPTION
NO.	NO.
DRAWING TITLE DIRECT SET 'CONTEMPRA' TFT ALUMINUM CLAD WOOD WINDOW	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555
CERTIFICATION NOV 02 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1054 REV. B SHEET NO. 3 OF 4

**9/16" SOLUTIA SAFLEX III G LAMINATED
HEAT STRENGTHENED GLASS
(WITH GLAZING DETAIL 2 & GLAZING OPTION 3)**

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (PSF)															
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.
30"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0
36"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0
42"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0
48"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0
54"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0
60"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0
66"	50.0	60.9	50.0	60.9	50.0	60.9										
72"	45.8	55.8	45.8	55.8												
(1) LONG DIMENSION	72"	80"	88"	96"	98"	104"	108"	120"								

**5/8" VIRACON HRG2 LAMINATED HEAT STRENGTHENED
GLASS (WITH GLAZING DETAIL 2 & GLAZING OPTION 2)**

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (PSF)															
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.
30"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
36"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
42"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
48"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
54"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0		
60"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0						
66"	54.5	68.2	54.5	68.2	54.5	68.2										
72"	50.0	62.5	50.0	62.5												
(1) LONG DIMENSION	72"	80"	88"	96"	98"	104"	108"	120"								

**7/16" SOLUTIA SAFLEX III G LAMINATED ANNEALED GLASS
(WITH GLAZING DETAIL 3 & GLAZING OPTION 4)**

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (PSF)																							
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.
24"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
30"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
36"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0		
42"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0												
48"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0												
54"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0																
60"			60.0	75.0	60.0	75.0																		
(1) LONG DIMENSION	54"	60"	66"	72"	77"	84"	90"	96"	99"	102"	108"	120"	132"											

TABLE NOTES:

(1) ALL WINDOW DIMENSION VALUES SHOWN ARE +/-1/2" & ARE FRAME (F.H. & F.W.) DIMENSIONS

**1/2" GLASSLAM SAFETY PLUS II LAMINATED ANNEALED GLASS
(WITH GLAZING DETAIL 1 & GLAZING OPTION 1)**

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (PSF)																							
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.
30"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	67.3	67.3	65.0	65.0	61.5	61.5	60.5	60.5	57.1	57.1	
48"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	66.7	66.7	60.3	60.3	58.3	58.3	54.5	54.5	52.5	52.5	49.0	49.0
54"				70.0	70.0	70.0	70.0	70.0	70.0	69.0	69.0	61.7	61.7	55.0	55.0	52.8	52.8	49.6	49.6	48.2	48.2			
60"					70.0	70.0	70.0	70.0	70.0	63.2	63.2	57.9	57.9	51.6	51.6	50.3	50.3							
66"										63.6	65.5	58.9	58.9	53.3	53.3									
72"										58.3	61.6	55.3	55.3											
(1) LONG DIMENSION	48"	56"	64"	72"	80"	88"	96"	98"	104"	108"	120"													

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 06/06/01
DATE	
BY	
REVISION DESCRIPTION	
NO.	

DRAWING TITLE: **DIRECT SET 'CONTEMPRA' TFT ALUMINUM CLAD WOOD WINDOW**

CONSULTANTS: **W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)**
7480 150TH COURT NORTH, PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

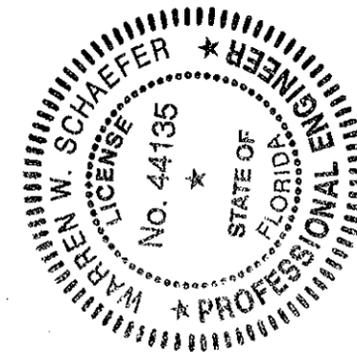
MANUFACTURER: **WEATHER SHIELD WINDOWS & DOORS**
ONE WEATHER SHIELD PLAZA
MEDFORD, WI 54451
715-748-6555

CERTIFICATION: **NOV 02 2011**

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. **1054** REV. **B**

SHEET NO. **4** OF **4**



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **11-1108.11**
Expiration Date **04/15/2013**
By *[Signature]*
Miami Dade Product Control